

OPTICAL HEAD DEVICE

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Abstract of JP2001344800

PROBLEM TO BE SOLVED: To obtain an optical head device compatible with bluish purple/red conversion which suppresses the light quantity loss of small-output bluish purple and can stably record and reproduce information. **SOLUTION:** This optical head device is constituted by making a phaser 101 for two wavelengths, which forms a circularly polarized light by generating a phase difference of π ($m_1-1/2$) in the bluish purple light and rotates the polarization direction 90 deg. by generating a phase difference of 2π ($m_2-1/2$) in red color, both of which are linearly polarized light, and disposing the phaser between a polarization beam splitter 2A and a collimating lens 4.

